

ARCHERY ELK

A total of 219 resident licenses were issued for the 2018 Archery Elk season. All license holders were sent a survey at the end of the season and 195 responded for an 89% response rate. Approximately 78% responded through the Internet.

Respondents reported hunting an average of 11.70 days for a total of 2,562 days of recreation for the season. The projected harvest was 65 bulls and 19 cows for an overall success rate of 38%.

Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 5.50 for the season. Approximately 96% of responding hunters reported hunting on public land, 3% on private land they did not own, and 1% on private land they owned.

Prior to 2002 it was assumed that any hunter that did not report harvesting an elk at the mandatory check-in was unsuccessful, and success was measured by dividing the number of hunters that reported harvesting an elk by the total number of tags issued.

Summary comparison of the 2009-2018 Archery Elk seasons

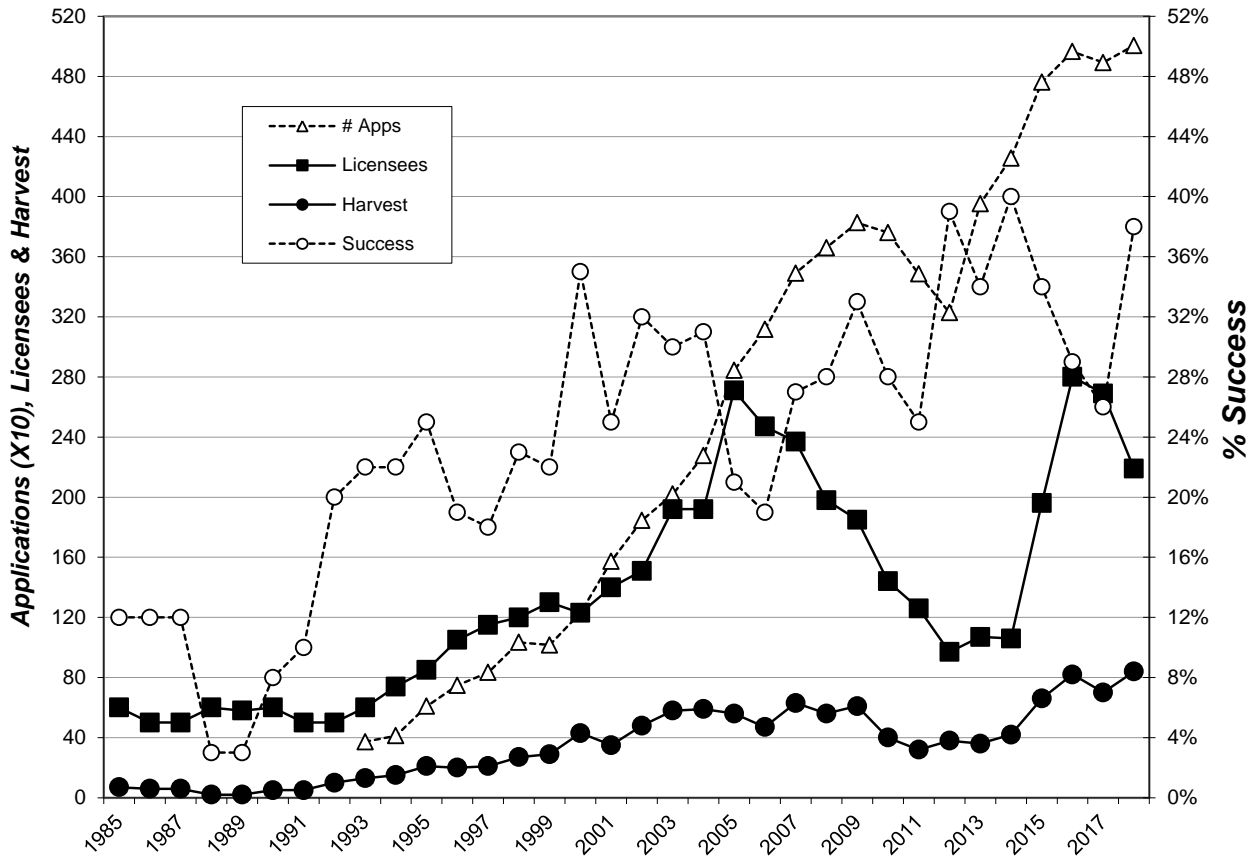
Year	# Apps 1 st Choice	Licenses Sold	Harvest			Success Rate	Avg. Days Hunted	Average Satisfaction
			Bulls	Cows	Total			
2009	3,826	185	52	9	61	33%	10.29	5.52
2010	3,761	144	34	6	40	28%	11.88	5.16
2011	3,486	126	24	8	32	25%	11.42	5.01
2012	3,228	97	33	4	38	39%	11.94	5.34
2013	3,952	107	33	3	36	34%	11.97	5.59
2014	4,256	106	38	4	42	40%	11.68	5.61
2015	4,761	196	55	12	66	34%	11.74	5.39
2016	4,965	280	57	25	82	29%	11.11	5.40
2017	4,892	269	50	20	70	26%	11.29	5.60
2018	5,006	219	65	19	84	38%	11.70	5.50

2018 Archery Elk Harvest Projections

Last Revised: 18 April 2019

Resident Licenses						Harvest Projections						Avg		Avg		Land Hunted Most				
Appl. 1st						Bull		Cow		Total Elk		Elk Shot Not Recovered	Satisfctn Score	Days Hunted	Other					
Unit/Type	Choice *	Avail.	Sold	Resp.	Success	Bulls	Cows	Calves	Calves	Harvested	CI (95%)				Public	Own	Private			
H1A-21	660	20	19	79%	33%	6	0	0	0	6	+/-2	8	5.9	13.0	19	0	0			
H1A-23	11	10	10	100%	40%	0	3	1	0	4	+/-0	2	5.3	10.5	10	0	0			
H2A-21	3,671	90	88	90%	57%	48	1	1	0	50	+/-3	19	5.8	13.3	87	1	0			
H2A-23	42	50	50	92%	27%	0	12	0	1	13	+/-2	6	5.4	9.2	47	0	0			
H3A-21	446	25	25	92%	26%	7	0	0	0	7	+/-1	2	5.3	12.9	18	1	4			
H3A-23	10	20	20	85%	6%	0	1	0	0	1	+/-1	5	5.3	7.4	15	0	2			
H5A-21	40	2	2	100%	0%	0	0	0	0	0	+/-0	0	1.5	22.5	2	0	0			
H7A-21	126	5	5	80%	50%	3	0	0	0	3	+/-1	0	4.3	13.0	5	0	0			
Totals	5,006	222	219	89.4%	38.4%	63	18	2	1	84	+/- 10	41	5.50	11.70	203	2	7			
The response rate for all units combined is:					89.4%													96%	1%	3%
Satisfaction scale of 1=very dissatisfied to 7=very satisfied.																				
* Number of 1st drawing applicants with that unit as 1st choice.																				

Archery Elk 1985-2018



BLACK HILLS FIREARM ELK

A total of 1,124 licenses were issued for the 2018 Black Hills Firearm Elk season. All license holders were sent a survey at the end of the season and 987 responded for an 88% response rate. Approximately 80% responded through the Internet.

Respondents reported hunting an average of 5.08 days which projects to a total of 5,710 days of recreation for the season. The projected harvest was 315 bulls and 402 cows for an overall success rate of 64%.

Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 5.36 for the season. Approximately 86% of responding hunters reported hunting on public land, 9% on private land they did not own, and 5% on private land they owned.

Prior to 2002 it was assumed that any hunter that did not report harvesting an elk at the mandatory check in was unsuccessful, and success was measured by dividing the number of hunters that reported harvesting an elk by the total number of tags issued.

Summary comparison of the 2009-2018 Black Hills Firearm Elk seasons

Year	# Apps 1st Choice	Licenses Sold	Harvest			Success Rate	Avg. Days Hunted	Average Satisfaction
			Bulls	Cows	Total			
2009	12,915	1,366	404	379	783	57%	6.38	4.70
2010	12,197	1,059	300	260	560	53%	6.64	4.47
2011	11,031	866	299	173	472	55%	6.80	4.64
2012	9,665	570	291	125	416	73%	6.37	5.30
2013	11,274	620	272	103	374	60%	6.63	4.65
2014	11,461	664	295	178	472	71%	5.85	5.46
2015	12,126	922	312	345	657	71%	6.66	5.54
2016	12,692	1,745	363	724	1,087	62%	4.59	5.42
2017	12,201	1,581	364	682	1,047	66%	4.77	5.50
2018	11,871	1,124	315	402	717	64%	5.08	5.36

2018 Black Hills Firearm Elk Harvest Projections

Last Revised: 18 April 2019

Resident Licenses						Harvest Projections						Avg		Avg		Land Hunted Most		
Appl. 1st						Bull		Cow		Total Elk		Elk Shot Not		Satisfctn	Days		Other	
Unit/Type	Choice *	Avail.	Sold	Resp.	Success	Bulls	Cows	Calves	Calves	Harvested	Cl (95%)	Recovered	Score	Hunted	Public	Own	Private	
H1A-21	1,131	60	60	92%	73%	43	0	1	0	44	+/-2	2	5.18	6.9	57	3	0	
H1B-23	53	20	20	75%	33%	0	7	0	0	7	+/-2	0	5.47	7.4	19	0	1	
H2A-21	8,534	250	249	90%	77%	178	12	1	1	192	+/-4	10	5.54	7.1	232	10	3	
H2B-23	206	75	75	87%	68%	0	46	3	1	51	+/-3	3	5.32	3.6	70	0	1	
H2C-23	41	75	75	84%	57%	0	36	2	5	43	+/-4	2	5.35	3.9	74	0	0	
H2D-23	3	25	25	96%	46%	0	9	0	2	11	+/-1	3	4.81	4.6	21	0	1	
H2E-23	98	75	75	92%	45%	0	32	0	2	34	+/-3	3	5.11	4.0	68	1	0	
H2F-23	69	75	75	85%	67%	0	42	0	8	50	+/-3	4	5.76	2.8	69	0	1	
H2G-23	27	75	75	88%	79%	0	57	0	2	59	+/-3	3	5.95	2.4	74	0	0	
H2H-23	7	15	15	93%	14%	0	2	0	0	2	+/-1	0	3.86	4.2	15	0	0	
H2I-23	1	15	15	100%	80%	0	12	0	0	12	+/-0	1	5.93	3.0	15	0	0	
H2J-23	1	15	15	100%	80%	0	11	0	1	12	+/-0	2	6.36	2.2	13	0	1	
H3A-21	1,190	80	80	89%	77%	56	3	2	0	62	+/-3	0	5.48	6.7	45	28	7	
H3B-23	18	15	15	73%	27%	0	4	0	0	4	+/-2	0	4.50	6.1	10	1	3	
H3C-23	4	15	15	100%	27%	0	4	0	0	4	+/-0	3	4.67	3.4	14	0	1	
H3D-23	2	15	15	87%	23%	0	3	0	0	3	+/-1	0	4.54	4.2	15	0	0	
H3E-23	21	50	50	84%	51%	0	23	0	2	26	+/-3	0	4.78	4.8	32	1	13	
H3F-23	6	50	50	88%	61%	0	27	2	1	31	+/-3	1	5.54	4.1	24	0	23	
H3G-23	4	50	50	84%	50%	0	21	1	2	25	+/-3	0	5.19	4.2	37	0	13	
H4A-21	54	10	10	80%	88%	9	0	0	0	9	+/-1	0	6.57	2.8	0	1	8	
H4B-23	3	10	10	100%	70%	0	7	0	0	7	+/-0	0	5.67	3.9	0	0	9	
H5A-21	58	5	5	80%	50%	3	0	0	0	3	+/-1	0	3.50	11.0	4	1	0	
H7A-21	278	10	10	90%	89%	9	0	0	0	9	+/-1	0	5.71	8.4	9	1	0	
H7B-23	8	10	10	70%	43%	0	4	0	0	4	+/-2	0	5.71	8.0	10	0	0	
H9A-21	51	10	10	90%	44%	3	1	0	0	4	+/-1	1	4.75	4.6	1	2	6	
H9B-23	3	20	20	75%	47%	0	8	1	0	9	+/-3	0	3.86	7.2	4	1	13	
Totals	11,871	1,125	1,124	87.9%	63.8%	300	373	15	29	717	+/- 49	40	5.36	5.08	934	52	101	
The response rate for all units combined is:					87.9%													
						86%	5%	9%										

The response rate for all units combined is:

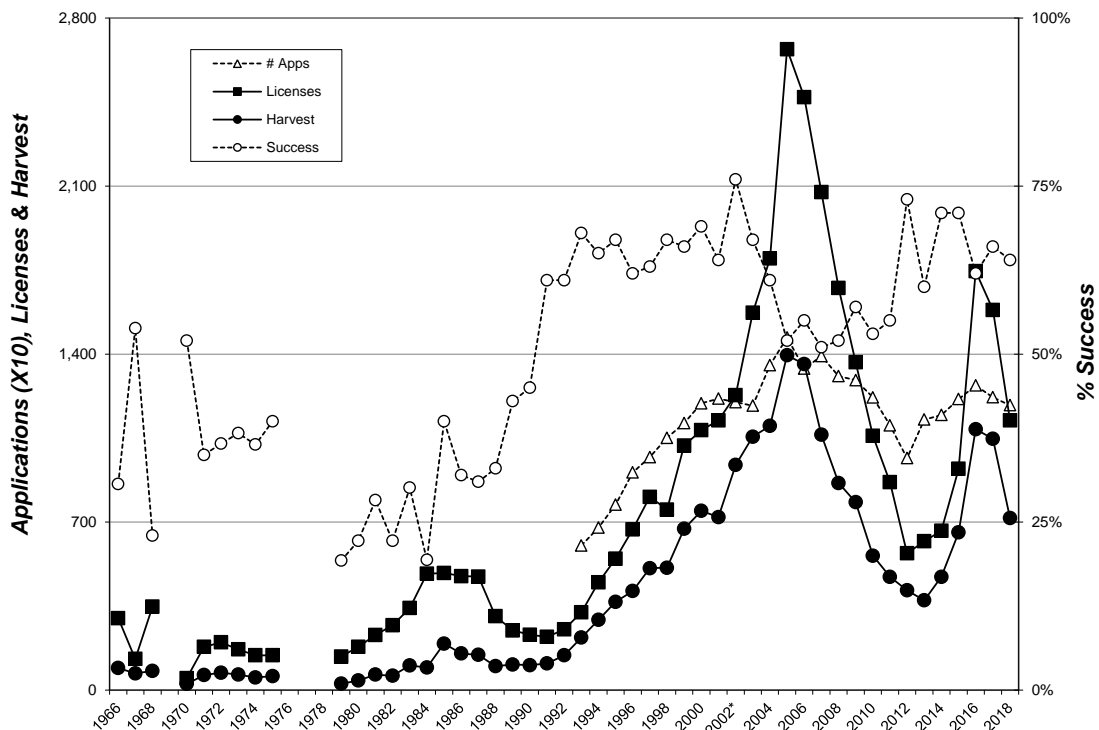
87.9%

86% 5% 9%

Satisfaction scale of 1=very dissatisfied to 7=very satisfied.

* Number of 1st drawing applicants with that unit as 1st choice.

Black Hills Firearm Elk 1966-2018



PRAIRIE FIREARM ELK

A total of 139 licenses were issued for the 2018 Prairie Firearm Elk season. All license holders were sent a survey at the end of the season and 110 responded for a 79% response rate. Approximately 74% responded through the Internet.

Respondents reported hunting an average of 5.55 days for a total of 771 days of recreation. The projected harvest was 59 bulls and 51 cows for an overall success rate of 79%.

Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 5.58 for the season.

Approximately 12% of responding hunters reported hunting mostly on public land, 70% on private land they did not own, and 18% on private land they owned.

Summary comparison for 2009-2018 Prairie Firearm Elk seasons

YEAR	Licenses	Harvest			Success	Avg. Days Hunted	Average Satisfaction
	Sold	Bulls	Cows	Total			
2009	133	29	22	51	38%	5.31	4.17
2010	134	24	27	51	38%	3.92	4.00
2011	128	20	15	35	27%	4.03	4.02
2012	97	26	20	46	47%	5.22	4.72
2013	96	18	13	30	32%	4.81	4.15
2014	92	33	25	59	64%	3.73	5.31
2015	98	29	25	54	55%	4.59	5.34
2016	148	32	27	60	40%	4.76	4.68
2017	149	41	34	75	50%	6.43	4.81
2018	139	59	51	109	79%	5.55	5.58

2018 Prairie Firearm Elk Harvest Projections

Last Revised: 18 April 2019

Resident Licenses					Harvest Projections							Elk Shot Not Recovered	Avg Satisfctn Score	Avg Days Hunted	Land Hunted Most		
Unit/Type	Appl. 1st Choice *	Avail.	Sold	Resp.	Success	Bulls	Cows	Calves	Calves	Total Elk Harvested	CI (95%)				Public	Own	Other Private
09A-21	316	10	10	80%	75%	8	0	0	0	8	+/-1	3	6.3	8.8	0	3	6
09A-23	24	10	10	100%	50%	0	5	0	0	5	+/-0	1	4.6	4.8	0	0	7
11A-23	41	18	17	82%	93%	0	16	0	0	16	+/-1	2	5.6	3.5	0	0	17
11B-21	496	16	16	69%	100%	16	0	0	0	16	+/-0	0	5.6	5.4	4	6	6
11C-21	195	16	16	88%	71%	10	1	0	0	11	+/-1	1	5.0	5.4	0	3	11
11D-23	78	30	30	70%	86%	0	20	0	6	26	+/-3	3	6.1	3.6	1	0	29
15A-21	155	8	8	100%	100%	8	0	0	0	8	+/-0	0	6.8	6.6	0	2	6
15A-23	8	5	4	100%	0%	0	0	0	0	0	+/-0	0	4.8	13.5	0	3	1
27A-21	437	10	10	90%	78%	8	0	0	0	8	+/-1	0	6.2	8.1	2	4	3
27A-23	21	10	10	70%	43%	0	3	1	0	4	+/-2	0	3.3	7.0	6	0	4
35A-21	1,309	8	8	50%	100%	8	0	0	0	8	+/-0	0	6.5	4.8	6	2	0
Totals	3,080	141	139	79.1%	78.8%	58	45	1	6	109	+/- 9	10	5.58	5.55	16	24	92
The response rate for all units combined is:															12%	18%	70%
Satisfaction scale of 1=very dissatisfied to 7=very satisfied.																	
* Number of 1st drawing applicants with that unit as 1st choice.																	

CUSTER STATE PARK ARCHERY ELK

A total of 3 resident licenses were issued for the 2018 Custer State Park Early Archery Elk season which was open from September 1-30. There was no Late CSP Archery season in 2018.

Respondents reported hunting an average of 11.0 days for a total of 33 days of recreation. One hunter reported harvesting an adult bull. Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 5.50 for the season.

Summary comparison of the 2009-2018 CSP Archery elk seasons

Year	Applications	Licenses	Bull Harvest	Cow Harvest	Success	Avg. Days Hunted	Average Satisfaction
2009	5,141	58	5	3	15%	10.4	NA
2010	4,898	35	0	0	0%	11.2	NA
2011	3,863	18	1	0	6%	7.8	NA
2012	2,077	3	0	0	0%	14.0	NA
2013	2,740	3	3	0	100%	9.3	NA
2014	3,023	4	4	0	100%	8.8	7.00
2015	3,600	4	3	0	75%	16.3	6.50
2016	3,707	3	1	0	33%	15.0	6.00
2017	3,704	3	1	0	33%	9.7	5.67
2018	3,772	3	2	0	50%	11.0	5.50

CUSTER STATE PARK FIREARM ANY ELK

A total of 9 resident licenses were issued for the 2018 Custer State Park Firearm Any Elk season which was open from October 1-31.

Respondents reported hunting an average of 5.7 days for a total of 51 days of recreation. All hunters but one responded (1 survey was undeliverable) and 6 reported harvesting adult bulls, and 1 reported a bull calf. Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 5.71 for the season.

Summary comparison of the 2009-2018 CSP Firearm Any elk seasons

Year	Applications	Licenses	Bull Harvest	Cow Harvest	Success	Avg. Days Hunted	Average Satisfaction
2009	10,823	36	30	1	86%	5.7	NA
2010	10,145	21	14	2	76%	NA	NA
2011	8,019	11	10	0	91%	5.50	NA
2012	6,582	4	4	0	100%	1.75	NA
2013	7,860	4	3	1	100%	2.00	NA
2014	8,084	4	4	0	100%	1.00	7.00
2015	9,136	8	8	0	100%	1.90	6.88
2016	8,958	9	8	0	89%	2.80	6.56
2017	8,828	9	8	0	88%	2.30	6.71
2018	8,670	9	8	0	86%	5.7	5.71

CUSTER STATE PARK ANTLERLESS ELK

A total of 23 resident licenses were issued for the 2018 Custer State Park Antlerless Elk season which was open from October 6-14 for Unit CU1, October 20-28 for Unit CU2, December 8-16 for Unit CU3, and January 19-27 for CU6. An additional two seasons were scheduled with 10 licenses each, but all licenses in those units were refunded due to all elk having left the unit. Three hunters in Units CU3 and CU6 voluntarily kept their licenses and hunted, but reported not seeing any elk.

Respondents reported hunting an average of 3.35 days for a total of 77 days of recreation. All hunters responded and 4 adult cows were reported harvested. One hunter reported shooting an elk that he/she was unable to recover. Hunter satisfaction was based on a numerical scale from 1 (very dissatisfied) to 7 (very satisfied) and averaged 2.19 for the season.

Summary comparison of the 2007-2018 CSP Antlerless elk seasons

Year	Applications	Licenses	Bull Harvest	Cow Harvest	Success	Avg. Days Hunted	Average Satisfaction
2007	3,763	60	1	31	53%	3.3	NA
2008	3,646	40	2	21	55%	2.8	NA
2009	3,548	20	0	19	95%	2.5	NA
2010	3,192	5	0	4	80%	NA	NA
2011-15	Closed						
2016	3,138	20	0	18	90%	2.20	6.20
2017	3,436	29	1	24	86%	2.10	5.83
2018	3,175	23	0	4	19%	3.35	2.19

2018 Custer State Park Antlerless Elk Harvest Projections

Last Revised: 18 April 2019

Resident Licenses						Harvest Projections						Avg Satisfctn	Avg Days	
Appl. 1st						Bull		Cow	Total Elk		Elk Shot Not			
Unit/Type	Choice *	Avail.	Sold	Resp.	Success	Bulls	Cows	Calves	Calves	Harvested	CI (95%)	Recovered	Score	Hunted
CU1-23	1,122	10	10	90%	33%	0	3	0	0	3	+/-1	1	2.22	3.8
CU2-23	519	10	10	100%	11%	0	1	0	0	1	+/-1	0	1.13	3.3
CU3-23	647	10	1	100%	0%	0	0	0	0	0	+/-0	0	4.00	5.0
CU4-23	363	10	0								+/-			
CU5-23	300	10	0								+/-			
CU6-23	224	10	2	100%	0%	0	0	0	0	0	+/-0	0	6.50	3.0
Totals	3,175	60	23	95.5%	19.3%	0	4	0	0	4	+/-2	1	2.19	3.35
* Number of 1st drawing applicants with that unit as 1st choice.														

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